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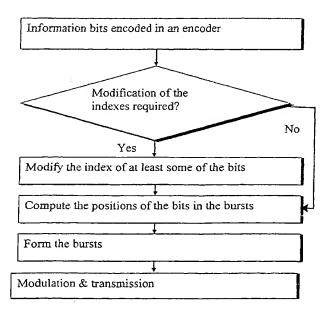
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[Continued on next page]

#### (54) Title: INTERLEAVING OF INFORMATION BITS



(57) Abstract: The present invention relates to a method in a transmitter for interleaving information bits from a data block into transmission bursts. Each of the information bits is assigned with an index. The interleaving comprises computing positions of the information bits in the transmission bursts such that the values of the indexes of at least a portion of the information bits are modified. At a receiver it is determined if the value of any of the indexes has been modified before transmission of the transmission bursts. Based on the determination, de-interleaving of the information bits is then accomplished based on modified values of the indexes or originally assigned values of the indexes.





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A. CLASSIFICATION OF SUBJECT MATTER							
IPC7: H03M 13/27 According to International Patent Classification (IPC) or to both national classification and IPC							
	DS SEARCHED						
	ocumentation searched (classification system followed by	y classification symbols)					
	H03M, H04L, H04B						
	tion searched other than minimum documentation to the	e extent that such documents are included i	n the fields searched				
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EPO-IN	TERNAL, WPI DATA, PAJ, INSPEC						
c. Docu	MENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.				
Х	LEI, Sai-Weng et al. "Performano adaptive interleaving for OF	1-5,7-10					
	IEEE TRANSACTIONS ON VEHICUL 2002, Vol. 51, No. 3, pages	AR TECHNOLOGY, May					
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A	US 2002044612 A1 (SIPOLA, J.), 1 (18.04.2002), abstract	1-10					
	· ••						
A	EP 0980162 A1 (NOKIA MOBILE PHON 16 February 2000 (16.02.2000	1-10					
	<u> </u>						
Y Further documents are listed in the continuation of Box C. X See patent family annex.							
"A" docum	"A" document defining the general state of the art which is not considered date and not in conflict with the application but cited to understand						
"E" earlier filing d	"E" earlier application or patent but published on or after the international filing date "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive						
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"P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family							
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C (Continu	ation). DOCUMENTS CONSIDERED TO BE RELEVANT			
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Category*	Citation of document, with indication, where appropriate, of the relevant	nt passages	Relevant to claim No	
A	WO 9907076 A2 (SAMSUNG ELECTRONICS, LTD.), 11 February 1999 (11.02.1999), abstract	1-10		
X .	TAKESHITA, O.Y. et al "New classes of algebraic interleavers for turbo-codes"Information The Proceedings.1998 IEEE International Symposis Meeting Date: 08/16/1998-08/21/1998; Public Date: 16-21 Aug 1998; Location; Cambridge, On page(s); 419-; References Cited: 4; IEEE Number: 98CH36252; Number of Pages: xxvii+4 INSPEC Accession Number: 6188963: see Example I.1 and Theorem I.2	neory,1998 ium on cation MA, USA; Catalog	1-5,7-10	
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Information on patent family members

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